

1125 Trenton-Harbourton Road
Titusville, NJ 08560-0200

PHILABUSTER™ 400 SC

1. Product and company identification

Name: PHILABUSTER™ 400 SC

EPA Registration
Number: 43813-38

EPA Establishment
Number: 074263-DEU-001

Chemical Name: See Section 2

Company:
Janssen Pharmaceutica
1125 Trenton-Harbourton Road
Titusville, NJ 08560-0200

Emergency Telephone Numbers:
ChemTrec USA: 800-424-9300
ChemTrec International: 703-527-3887
National Pesticide Information Center:
1-800-858-7378

2. Composition / information on ingredients

CAS no.	Identification	EEC no.	% w/w
58594-72-2	(±)-1-[2-(2,4-dichlorophenyl)-2-(2-propenyloxy)ethyl]-1H-imidazole sulfate	281-291-3	22.95
53112-28-0	4,6-dimethyl-N-phenyl-2-pyrimidinamine	414-220-3	17.21

3. Hazards identification

Human health hazards Corrosive. Causes irreversible eye damage. May be fatal if swallowed. Harmful if absorbed through skin. Harmful if inhaled. Do not get in eyes or on clothing. Avoid contact with skin. Avoid breathing spray mist. Prolonged or frequently repeated skin contact may cause allergic reactions in some individuals.

Environmental Hazards Toxic to aquatic organisms and may cause long-term adverse effects in the aquatic environment.

PHILABUSTER™ 400 SC

MATERIAL SAFETY DATA SHEET

4. First-aid measures

If in Eyes	Hold eye open and rinse slowly and gently with water for 15-20 minutes. Remove contact lenses, if present, after the first 5 minutes, then continue rinsing. Call a poison control center or doctor for treatment advice.
If Swallowed	Call a poison control center or doctor immediately for treatment advice. Have person sip a glass of water if able to swallow. Do not induce vomiting unless told to do so by a poison control center or doctor. Do not give anything by mouth to an unconscious person.
If on Skin	Take off contaminated clothing. Rinse skin immediately with plenty of water for 15-20 minutes. Call a poison control center or doctor for treatment advice.
If Inhaled	Move person to fresh air. If person is not breathing, call 911 or an ambulance, then give artificial respiration, preferably mouth-to-mouth if possible. Call a poison control center or doctor for further treatment advice.
Note to physician	Probable mucosal damage may contraindicate the use of gastric lavage. Note: Have the product container or label with you when calling a poison control center or doctor, or going for treatment

5. Fire-fighting measures

Extinguishing media	Powder, foam, CO ₂ or water spray (do not use direct jet of water).
Special exposure hazards	/
Special protective equipment for firefighters	Wear self-contained breathing equipment.

6. Accidental release measures

Personal precautions	See section 8 for personal protection measures.
Environmental precautions	Soak up spilled material with adsorptive material such as sand or sawdust. Prevent product from spreading by damming in with absorptive material. Wash the contaminated area thoroughly with water. Do not allow the washwater to run off into any sewer, stream, well or pond, and if necessary, soak up with more absorbent material. Collect material in marked, tightly closed containers. Dispose of wastes in a manner approved by local authorities.
Methods for cleaning up	See section 13 for disposal recommendations.

PHILABUSTER™ 400 SC

MATERIAL SAFETY DATA SHEET

7. Handling and storage

Handling	Users should wash hands thoroughly with soap and water after handling and before eating, drinking, chewing gum, using tobacco, or using the toilet. Remove and wash contaminated clothing before reuse. If pesticide gets inside clothing/PPE, remove immediately, wash thoroughly, and put on clean clothing. Wash the outside of gloves before removing. For personal protection see section 8.
Storage	Do not contaminate water, food, or feed by storage or disposal. Store in original container in a cool, dry place. Do not use or store near open flames. Stable in original container at room temperature. Protect from direct sunlight. Homogenize before use.

8. Exposure controls and personal protection

Protective clothing	Wear long-sleeved shirt and long pants, socks, shoes, and chemical-resistant gloves (such as Natural Rubber, Selection Category A).
Respiratory Protection	No specific respiratory protection is required. Always avoid breathing spray mist.
Eye and skin protection	Wear protective eyewear (goggles, face shield, or safety glasses). Eye fountain and washing facilities at work area. After product is diluted in accordance with the directions for use specified on the product label, protective eyewear and chemical resistant gloves, are not required.

9. Physical and chemical properties

General information:

Physical State.....	homogeneous liquid
Appearance	opaque white suspension concentrate
Odour	faint, chemical, non-specific

Important health, safety and environmental information:

Boiling point.....	()
Flash point.....	()
Flammable limits	Does not contain combustible liquids
Explosive properties.	Not potentially explosive based on formulation ingredients
Oxidizing properties	no data available
Vapour pressure.....	()
Partition coefficient..	()
pH	4.06
pH of a 1% solution..	5.22

Other data:

Melting point.....	not applicable
Miscibility	water miscible
Conductivity	()
pK/a	()
Refraction index.....	()
Persistent foaming.....	concentration 0.5 %
CIPAC Method MT472	after 10 sec : 44 ml
.....	after 1 min : 29 ml
.....	after 3 min : 19 ml
.....	after 12 min : 11 ml
Wettability	()
Particle size	
distribution	()
Flowability	()
Dustiness	()
Attrition resistance	()
Self-ignition	
temperature	()

PHILABUSTER™ 400 SC

MATERIAL SAFETY DATA SHEET

9. Physical and chemical properties (cont'd)

Pour and tap density	not applicable	Wet sieve test.....	0.13 % w/w
Relative density	1.1618 g/ml (20°C)	Pourability.....	residue: 3.25% w/w
Viscosity	120 mPa.s to 926 mPa.s (20°C ± 0.5°C)	Pourability.....	rinsed residue: 0.17% w/w
.....	.85 mPa.s to 772 mPa.s (40°C ± 0.5°C)		

10. Stability and reactivity

Conditions to avoid Heat, sparks and flames. Stable under standard use conditions.

Materials to avoid None identified.

Hazardous decomposition products Not known.

11. Toxicological information

Acute oral	LD ₅₀ oral rat: between 300 and 2000 mg/kg
Acute dermal	LD ₅₀ dermal rat: >2000 mg/kg
Inhalation	LC ₅₀ > 0.88 mg/L
Eye irritation	severely irritant (rabbit)
Skin irritation	slightly irritant (rabbit)
Sensitization	moderate skin sensitizer (guinea pig)

PHILABUSTER 400 SC was mildly irritating to the eye and is not considered a contact sensitizer when tested at 1% solution strength (maximum label rate).

12. Ecological information

Imazalil sulphate

Aquatic organisms

Salmo gairdneri (rainbow trout) : LC₅₀ (96h) : 1.48 mg/l

Brachydanio rerio (Zebra fish) : LC₅₀ (96h) : 2.75 mg/l

Acute toxicity for *Daphnia magna* : EC₅₀ (48h) : 3.5 mg/l

Selenastrum capricornutum (algae) : EbC₅₀ (72h) : 0.87 mg/l

Birds : Ring-necked pheasants : LD₅₀ : 2000 mg/kg

Bees : Acute oral : LD₅₀ (48h) : 35.1 µg/bee; Contact LD₅₀ (48h) : 39 µg/bee

PHILABUSTER™ 400 SC

MATERIAL SAFETY DATA SHEET

Pyrimethanil
technical

Daphnia magna, acute toxicity : EC₅₀ (48h) : 2.9 mg/L
Rainbow trout, acute toxicity : LC₅₀ (96h) : 10.56 mg/L
Algae, inhibitory effect, *Selenastrum capricornutum* : IC_{b50} (96h) : 1.2 mg/l

Birds, acute oral toxicity : Duck and quail LD₅₀ > 2000 mg/kg
Birds, 8-day dietary toxicity : Duck and quail LC₅₀ > 5200 mg/kg

Bees, acute oral toxicity : 100 µg/bee
Bees, acute contact toxicity : 100 µg/bee

Earthworms : LC₅₀ (14d) : 625 mg/kg soil
Ready biodegradability
Not readily biodegradable (Modified Sturm Test)

13. Disposal considerations

Do not contaminate water, food or feed by storage or disposal. Do not apply directly to water, to areas where surface water is present or to intertidal areas below the mean high water mark. Do not contaminate water by cleaning of equipment, or disposal of wastes. Apply this product only as specified on this label.

Do not discharge effluent containing this product into lakes, streams, ponds, estuaries, oceans or other waters unless in accordance with the requirements of a National Pollutant Discharge Elimination System (NPDES) permit and the permitting authority has been notified in writing prior to discharge. Do not discharge effluent containing this product to sewer systems without previously notifying the local sewage treatment plant authority. For guidance contact your State Water Board or Regional Office of the EPA.

Pesticide wastes are acutely hazardous. Improper disposal of excess pesticide, spray mixture, or rinsate is a violation of Federal law. If these wastes cannot be disposed of by use according to label instructions, contact your State Pesticide or Environmental Control Agency or the hazardous waste representative at the nearest EPA Regional Office for guidance.

For container disposal of plastic containers: triple rinse (or equivalent). Then offer for recycling or reconditioning, or puncture and dispose of in a sanitary landfill, or incineration, or, if allowed by state and local authorities, by burning. If burned, stay out of smoke.

14. Transport information

ICAO/IATA Class 9, PG III, 3082 : Environmentally hazardous substance, liquid, n.o.s.
IMO/IMDG Class 9, PG III, 3082 : Environmentally hazardous substance, liquid, n.o.s.
ADR/RID Class 9, PG III, 3082 : Environmentally hazardous substance, liquid, n.o.s.
DOT Not regulated for domestic surface transportation.

PHILABUSTER™ 400 SC

MATERIAL SAFETY DATA SHEET

15. Regulatory information

US EPA Registration Number: 43813-38

16. Other information

PHILABUSTER 400 SC is a suspension concentrate for post-harvest treatment of citrus fruit.

NFPA Hazard Ratings

Health:	3	0	Least
Flammability	1	1	Slight
Reactivity	0	2	Moderate
		3	High
		4	Severe

The information in this safety data sheet is based on our present knowledge and current EU regulations but no warranty, express or implied, is made.